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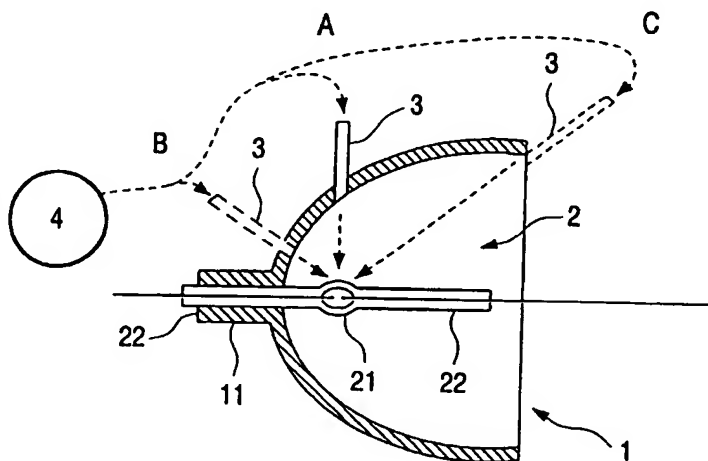
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(54) Title: DISCHARGE LAMP HAVING COOLING MEANS



**(57) Abstract:** A discharge lamp, and particularly a high-pressure gas-discharge lamp (an HID (high-intensity discharge) lamp or UHP (ultra-high performance) lamp), having a reflector and a cooling means is described. The cooling means comprises at least one nozzle (3) by which a flow of gas can be directed onto the discharge lamp, the at least one nozzle (3) being so arranged that it does not extend, at least to any substantial degree, into a beam path produced by the lamp (2) and the reflector (1). In this way, the cooling means does not produce any obstacles on the beam path for the light. With preferred embodiments, it is possible to produce a turbulent flow that surrounds particularly the discharge vessel (21) of the lamp

and that considerably increases the effectiveness of the cooling means. Further embodiments also allow the discharge lamp to be operated in a plurality of different positions without individual regions of the lamp being too little or too severely cooled.